

Formosa TAIRILOY AC2708

Formosa TAIRILOY AC2708 is a PC - ABS material with FR (flame retardant) properties, achieving an HB rating. It features high impact resistance and is well - suited for applications such as automotive interior trims, mobile phone housings, and digital photo frames.

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.13	g/cm ³
Shrinkage	3.2mm	ASTM D955	0.4~0.7	%
Melt Index	240°C 5kg	ASTM D1238	9.3	g/10min

Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale) 23°C	ASTM D785	120	

Mechanical behavior		Standard	Value	Unit
Tensile Strength	23°C 50mm/min	ASTM D638	630	kg/cm ²
Elongation	Break 23°C 50mm/min	ASTM D638	100	%
Flexural Strength	23°C 15mm/min	ASTM D790	1200	kg/cm ²
Flexural Modulus	23°C 15mm/min	ASTM D790	29000	kg/cm ²
Izod Notch Impact	23°C 3.2mm	ASTM D256	70	kg-cm/cm

Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa 120°C/hr 6.4mm	ASTM D648	113	°C

Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	